

ACAM Flight Report

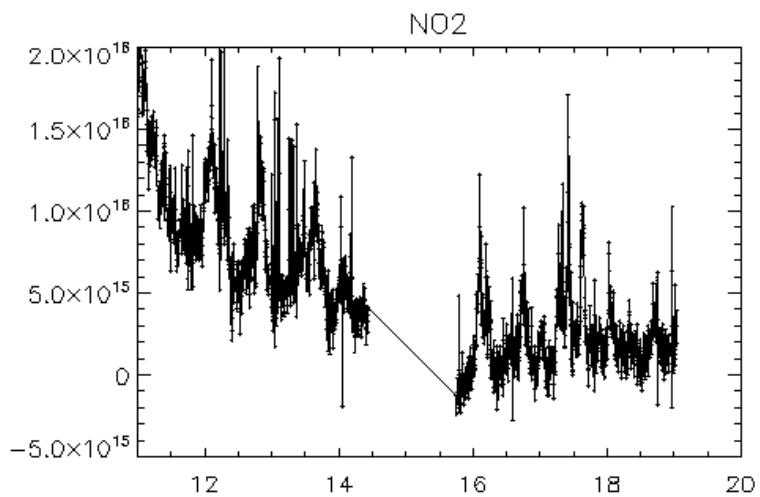
Flight #11 – 07/26/2011

Operations and instrument status

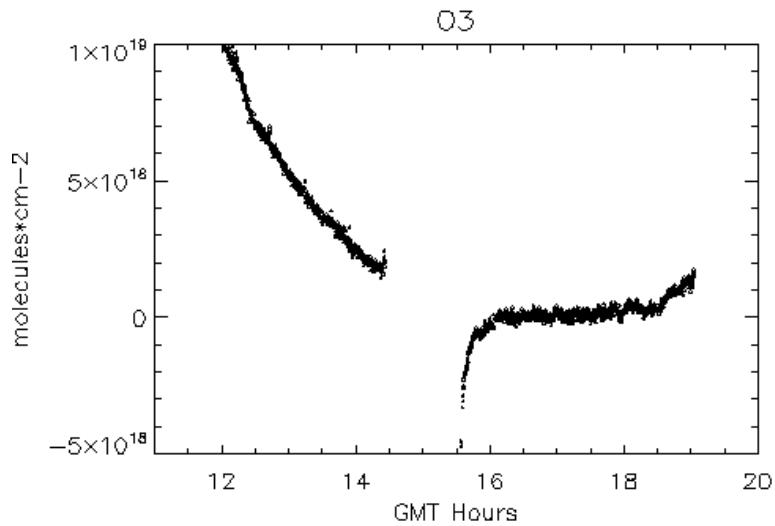
Instrument performance was normal.

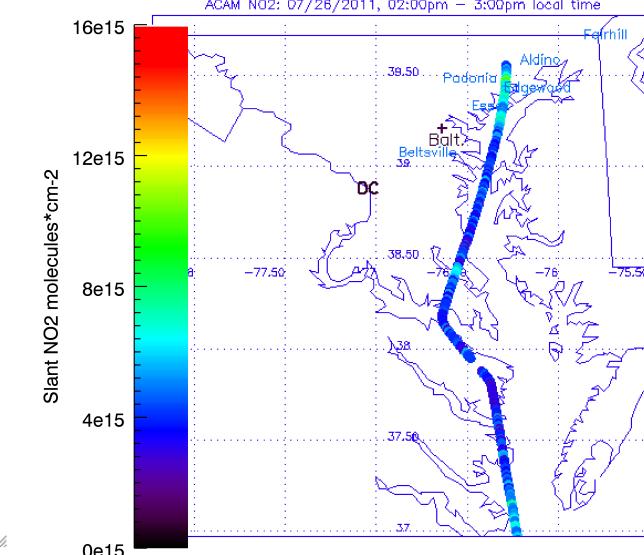
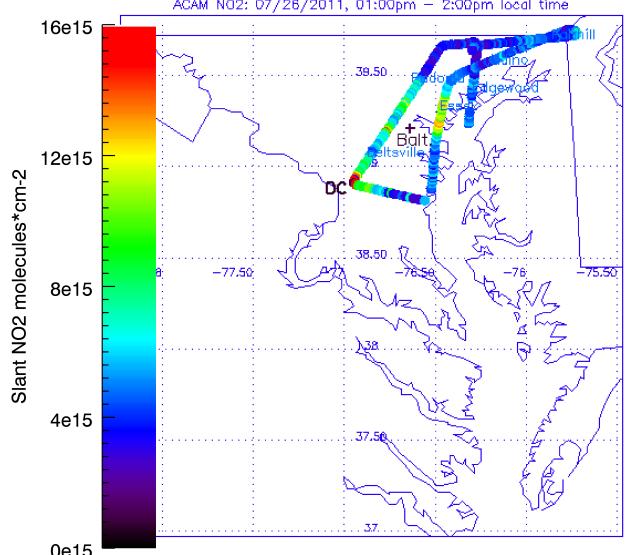
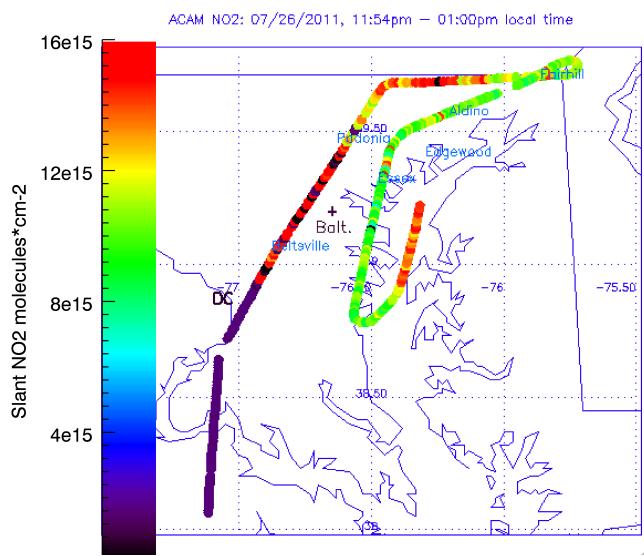
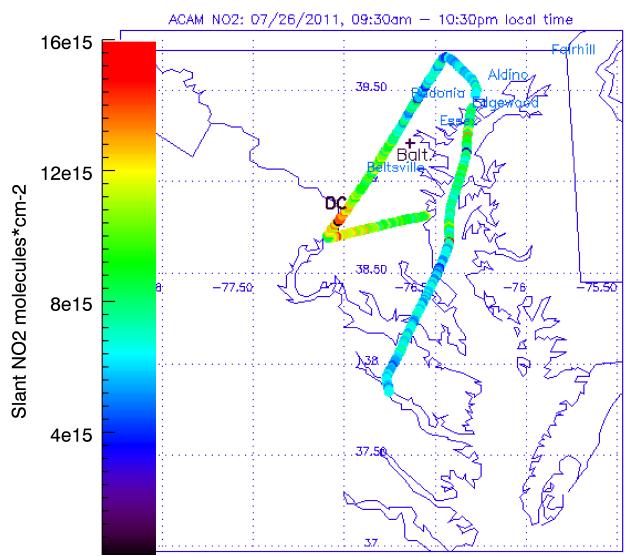
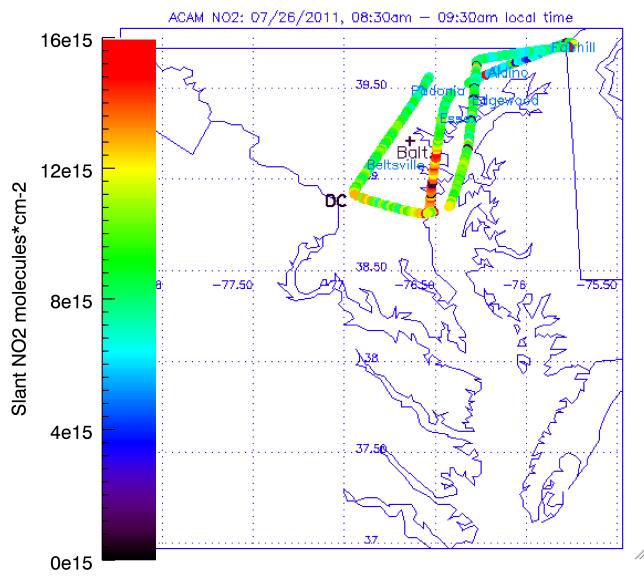
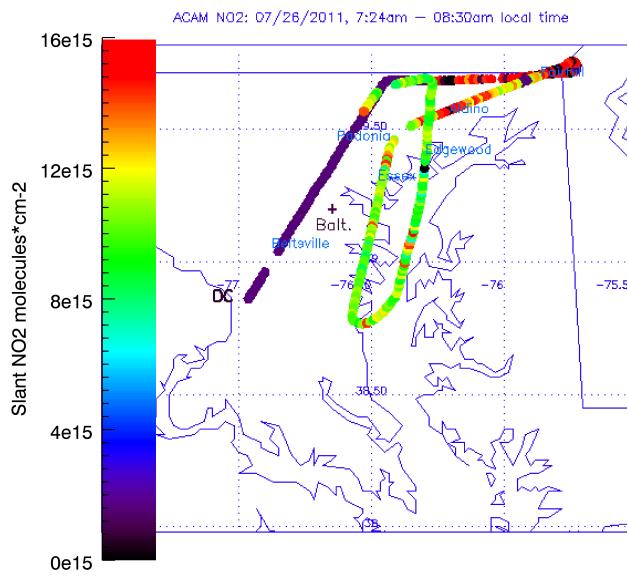
Science Summary

NO₂ measurements are shown below as differential slant column values relative to an average of spectra taken between the times of 16.2 and 16.6 UTC. NO₂ levels are generally lower than previous flights with less variability. The early morning high SZA effect is seen during the 1st leg and nice enhancements over the 95 corridor and the Bay track are seen during the 2nd leg.



Time series plots of NO₂ and O₃.





Preliminary NO₂ data. Swath averaged resolution 7.5km x 1.2km